## 2011-04-25 Monday Morning Notes

Monday, April 25, 2011 6:00 AM

## Stacking and Transfers

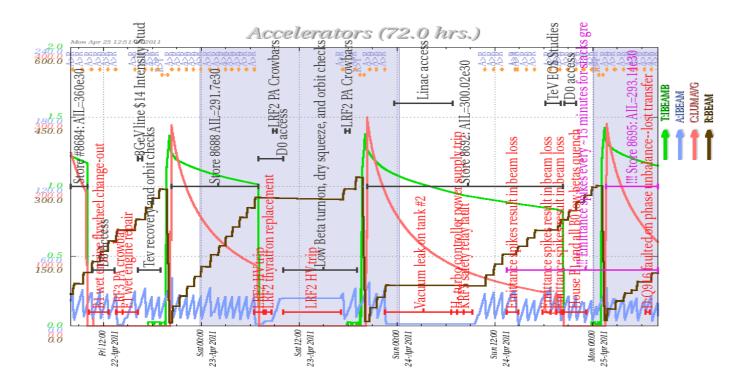
## **Operational Happenings**

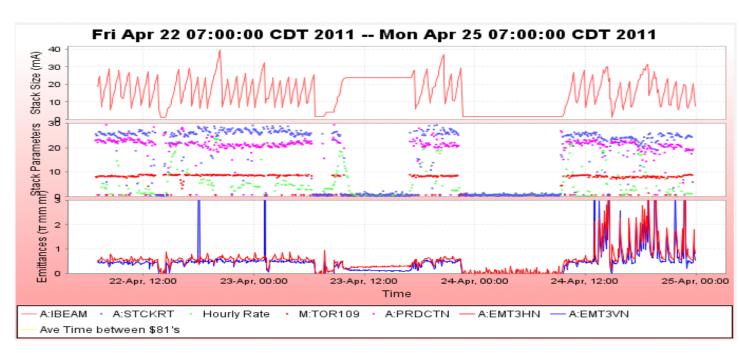
- Around 1pm on Sunday, we started having periodic rapid emittance spikes that would result in the loss of antirproton beam.
- Pbar 95 LCW return temp higher than it has been in 2 years?

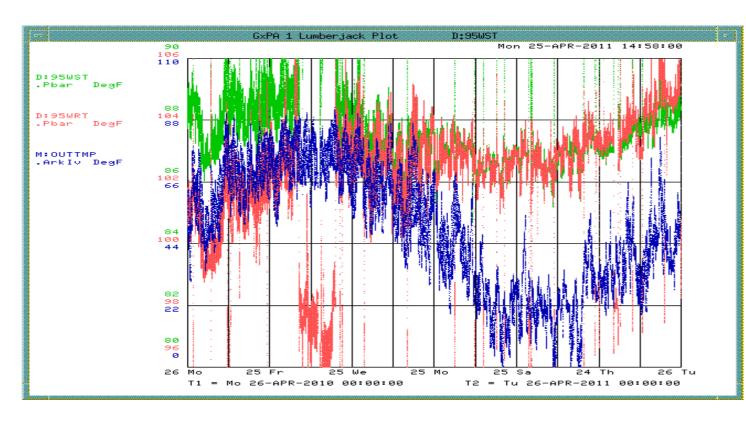
## **Numbers**

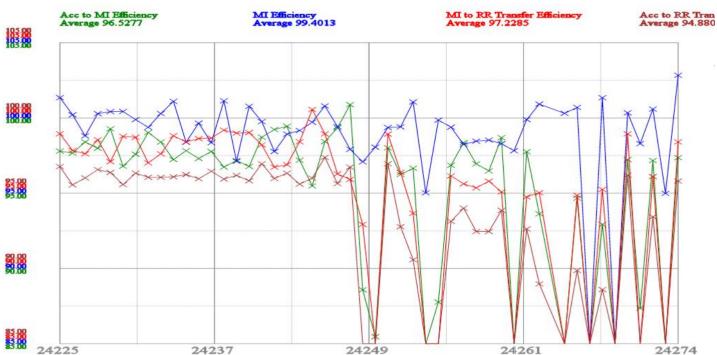
- Stacking
  - Pbars stacked: 1086.78 E10Time stacking: 52.12 Hr
  - Average stacking rate: 20.85 E10/Hr
- Uptime
  - o Number of pulses while in stacking mode: 78854
  - Number of pulses with beam: 72367Fraction of up pulses was: 91.77%
- The uptime's effect on the stacking numbers
  - o Corrected time stacking: 47.83 Hr
  - Possible average stacking rate: 22.72 E10/Hr
  - Could have stacked: 1184.20 E10/Hr
- Recycler Transfers
  - o Pbars sent to the Recycler: 1051.59 E10
  - Number of transfers: 132Number of transfer sets: 49
  - o Average Number of transfer per set: 2.69
  - o Time taken to shoot including reverse proton tuneup: 00.46 Hr
  - o Transfer efficiency: 91.32%
- Other Info
  - Average POT : 7.79 E12
  - Average production: 19.28 pbars/E6 protons

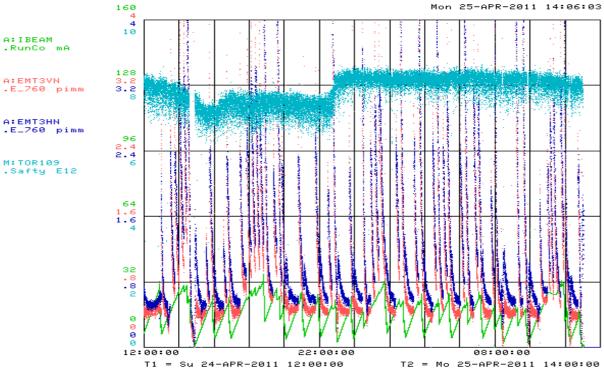
**Plots** 

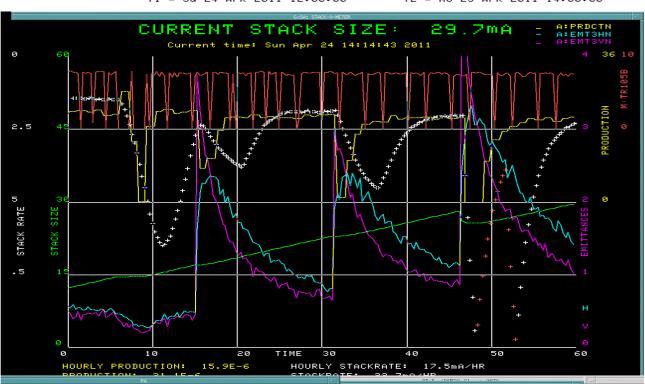


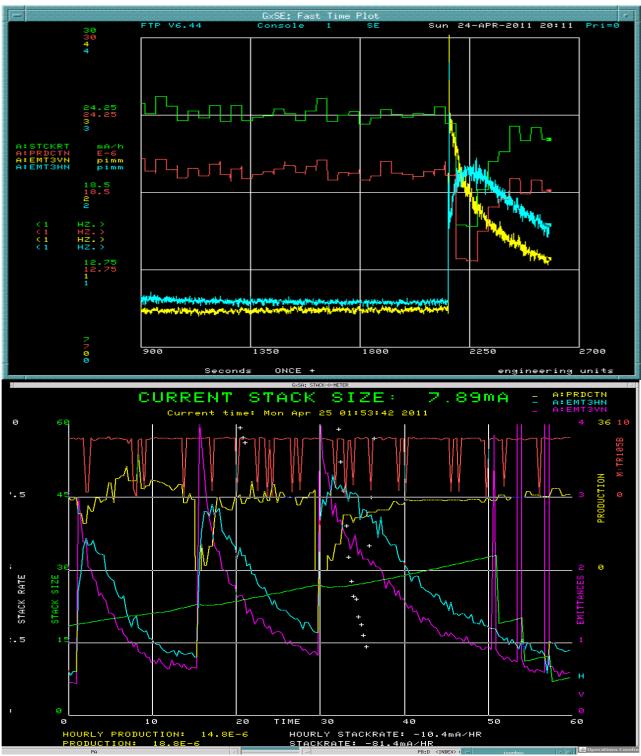












Emittance blow-ups